

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Riyi SHI et al. ) Group Art Unit: 1617  
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Serial No.: 09/438,206       ) Examiner: Hui  
Confirmation No.: 9018       )  
                                  )  
Filed: 12 November 1999     )  
                                  )  
For:           METHODS AND COMPOSITIONS FOR TREATING MAMMALIAN  
                 SPINAL CORD INJURIES

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with C.F.R. §§ 1.97 *et. seq.*, the materials enclosed herewith are brought to the attention of the Examiner as possibly being of interest in connection with the above-identified patent application. Per M.P.E.P. § 609, the information cited in the present Information Disclosure Statement shall not be construed to be an admission that the information is, or is considered to be, material to patentability. Consideration of each of the documents listed on the attached 1449 form(s) is respectfully requested. Pursuant to the provisions of M.P.E.P. §609, Applicants further request that a copy of the 1449 form(s), marked as being considered and initialed by the Examiner, be returned with the next Official Communication.

Since this Information Disclosure Statement is submitted after the receipt of an Office Action in the above-identified patent application, Please charge the fee of \$180 under 37 C.F.R. §§1.97(c) and 1.17(p) and any additional fees to Deposit Account No. 13-4895.

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| <b>INFORMATION<br/>DISCLOSURE<br/>STATEMENT</b><br><br><br>FEB 27 2004 | Atty. Docket No.: 290.00420101                                   | Serial No.: 09/438,206 |
|   | Applicant(s): SHI et al.   | Confirmation No.: 9018 |
|   | Application Filing Date: 12 Nov. 1999                            | Group: 1617            |
|   | Information Disclosure Statement mailed: <u>27</u> February 2004 |                        |

**U.S. PATENT DOCUMENTS**

| Examiner Initial |  | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate |
|------------------|--|-----------------|------|------|-------|----------|----------------------------|
|                  |  | NONE            |      |      |       |          |                            |

**FOREIGN PATENT DOCUMENTS**

| Examiner Initial |  | Document Number | Date     | Country | Class | Subclass | Translation |    |
|------------------|--|-----------------|----------|---------|-------|----------|-------------|----|
|                  |  |                 |          |         |       |          | Yes         | No |
|                  |  | WO 02/092107    | 11/21/02 | WO      |       |          |             |    |

**OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)**

| Examiner Initial |  | Document Description   |
|------------------|--|--|
|                  |  | Altizer et al. "Endogenous electric current is associated with normal development of the vertebrate limb" <i>Developmental Dynamics</i> 2001;221(4):391-401.   |
|                  |  | Borgens, "Acute Repair of Spinal Injury with Fusogens" Grant Abstract, Grant Number 5R01NS039288-01A1 [online] National Institute of Neurological Disorders and Stroke Project dates June 1, 2000-February 28, 2003. [retrieved on 2004-02-23]. Retrieved from the Internet:<br>URL: <a href="http://crisp.cit.nih.gov/crisp/CRISP_LIB.getdoc?textkey=6193809&amp;p_grant_num=1R01N">http://crisp.cit.nih.gov/crisp/CRISP_LIB.getdoc?textkey=6193809&amp;p_grant_num=1R01N</a>   |
|                  |  | Borgens, "Acute Repair of Spinal Injury with Fusogens" Grant Abstract, Grant Number 5R01NS039288-01A1S1 [online] National Institute of Neurological Disorders and Stroke Project dates June 1, 2000-February 28, 2003. [retrieved on 2004-02-28]. Retrieved from the Internet:<br>URL: <a href="http://crisp.cit.nih.gov/crisp/CRISP_LIB.getdoc?textkey=6401733&amp;p_grant_num=3R01N">http://crisp.cit.nih.gov/crisp/CRISP_LIB.getdoc?textkey=6401733&amp;p_grant_num=3R01N</a> |
|                  |  | Borgens, "Restoring Function to the Injured Human Spinal Cord" (Advances in Anatomy, Embryology and Cell Biology, 171) Title Page and Table of Contents Only.  |
|                  |  | Center for Paralysis Research, Purdue University, Institute for Applied Neurology, <i>Synapses</i> , Summer 2003. 4 pages.   |

| EXAMINER | Date Considered |
|----------|-----------------|
|          |                 |

\*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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| <b>INFORMATION<br/>DISCLOSURE<br/>STATEMENT</b><br><br><i>OIE<br/>FEB 21 2004<br/>PATENT TRADEMARK OFFICE</i> | Atty. Docket No.: 290.00420101                                   | Serial No.: 09/438,206 |
|   | Applicant(s): SHI et al.   | Confirmation No.: 9018 |
|   | <b>Application Filing Date:</b> 12 Nov. 1999                     | <b>Group:</b> 1617     |
|   | Information Disclosure Statement mailed: <u>17</u> February 2004 |                        |

| Examiner Initial |  | Document Description   |
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|                  |  | Duerstock et al. "A comparative study of the quantitative accuracy of three-dimensional reconstructions of spinal cord from serial histological section" <i>J. of Microscopy</i> 2003; 210(Pt. 2):138-148. |
|                  |  | Moriarty et al. "An oscillating extracellular voltage gradient reduces the density and influences the orientation of astrocytes in injured mammalian spinal cord" <i>J. Neurocytol</i> 2001;30(1):45-57.   |
|                  |  | Potter PJ, "Sustained improvements in neurological function in spinal cord injured patients treated with oral 4-aminopyridine: three cases" <i>Spinal Cord</i> 1998;36:147-155.                            |
|                  |  | Qiao et al. "Effects of 4-aminopyridine on motor evoked potentials in patients with spinal cord injury" <i>J Neurotrauma</i> 1997;14(3):135-49.  |

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|-----------------|------------------------|
| <b>EXAMINER</b> | <b>Date Considered</b> |
|-----------------|------------------------|

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